

READ AHEAD TECHNIQUE FOR NETWORK BASED FILE SYSTEMS

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ABSTRACT

- 10 One embodiment of the present invention includes a method for enabling a client node to automatically read ahead data from a network based file system. Specifically, in response to an application operating on the client node requesting a data page, the client node requests delivery of data pages from the network based file system. Upon reception, these data pages can each be served to the application.
- 15 After each data page is served, it is determined whether the number of unrequested available data pages is less than the value of M . If so, an asynchronous read-ahead request is sent to a primary node of the network based file system for P number of data pages. The values of M and P can be such that P data pages can be fetched before M data pages are consumed by the requesting application.

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